

# Declaration of Performance

SURESIP Panel  
QMS\_SureFinishing Ltd\_DOP



**SureFinishing**  
Structural Insulated Panels

Unique identification code of the product-type: SURESIP  
Intended use/es: SIP-Prefabricated Wood based Load bearing Stressed skin panels  
Manufacturer: **SUREFINISHING**  
System/s of AVCP: **System 1**  
Notified body/ies: National Standards Authority of Ireland

Essential characteristics		Performance
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	d <sub>N</sub> 70mm 2.43 d <sub>N</sub> 95mm 3.56 d <sub>N</sub> 120mm 4.70 d <sub>N</sub> 145mm 5.84
	Thermal conductivity $\lambda_D$ (W/(m.K))	0.022-PU core 0.13-OSB-3 Face 0.10-Tricoya Face
	Thickness tolerance	± 2mm
	Flatness	± 5mm over 2440mm length ± 3mm over 1220mm Width
	Squareness	Raw Panel = ± 2° Cut Panel = ± 2mm
Reaction to fire		OSB-3 D,s2,d0-OSB layer 11mm Tricoya E,s2,d0-OSB layer 09mm Panel – RfE
Durability of reaction to fire against heat, weathering, ageing / degradation		Reaction to fire does not change with time
Modulus of elasticity of compression		≥ 4.5 N/mm <sup>2</sup>
Shear modulus(SM)		SM-≥ 4 N/mm <sup>2</sup>
Shear resistance (SS)		SS-≥ 0.12 N/mm <sup>2</sup>
Compressive strain under 10% compression (CS) Tensile / Flexural strength	Compressive stress or compressive strength Tensile strength	CS ≥ 0.08 N/mm <sup>2</sup>
		TR-≥ 0.07 N/mm <sup>2</sup>
Density		PUR $\rho \geq 35 \text{ kg/m}^3$ Tricoya $\rho \geq 700 \text{ kg/m}^3$ OSB-3 $\rho > 650 \text{ kg/m}^3$

length and width	L-Raw Panel = +3mm / -50mm (max overhang), Cut Panel = +0mm/-5mm W-+0mm / -3mm	L-Raw Panel = +3mm / -50mm (max overhang), Cut Panel = +0mm/-5mm W +0mm / -3mm
Dimensional Stability	EN318	Tricoya length -0.1% Tricoya Width -0.1%
		Tricoya Thickness -1.0%
Water vapour permeability	Water vapour diffusion resistance factor	MU 60
Release of dangerous substances to the		N/A

[www.Surefinishing.ie/downloads](http://www.Surefinishing.ie/downloads)

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indoor environment		
Continuous glowing combustion		NA
NPD: No Performance Determined		

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Martin Carey

Managing Director Ireland .ISSUE  
DATE 26.01..2021

Clonmel, Co.Tipperary, Ireland